TOP SECRET

OUT57992

P 172217Z FM NPIC

1866 AR 17 23 25 Z

25X1

CNO OPCEN

AFSSO PACAF

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TOPSECRET.

CITE NPIC 6696.

SUBJECT: CAMERA INFORMATION FOR MISSION 1030-1.

1. THE MISSION UTILIZED TWO PAN CAMERAS, FOUR HORIZON CAMERAS, A STELLAR CAMERA, AND AN INDEX CAMERA.

1 8 MAR 1966

2. CAMERA DATA

Α.

MAIN UNITS	FORWARD	AFT	STAR HOR	PORT HOR
FOCAL LENGTHS (MM)	609.602	609.602	FWD 55.00	FWD 55.00
			AFT 49.90	AFT 55.00
FILTER (WRATTEN NO.)	25	21	25	25
APERTURE	F3.5	F3.5	F8.Ø	F6.3 3
SLIT WIDTH (IN.)				
EXPOSURE (SEC.)	•2 7 5	• 175	1/100	1/100
FILM	3404	3404	3404	3404
RESOLUTION (L/MM)	190	200	NA	NA
В.				

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Approved For Release 2008/04/11 : CIA-RDP78B04558A001200030070-9

GROUP i Excluded from substable downgrating and declassification

S/I UNITS		STEL	LAR	INDEX		
FOCAL LENGTH (MM)	PART 1	83.9	987	38.3636		
	PART 2	84.1	5 5 5	38.3305		
FILTER (WRATTEN NO).)	NONE		21		
APERTURE		F1.8		F4.5		
EXPOSURE (SEC.)		2.0		1/500		
FILM		3401		3400		
RESOLUTION (L/MM)	PART 1			70		
	PART 2			70		
UNIT NUMBER	PART 1	D94/10	6/107			
	PART 2	D82/19	5/102			
3. LENS DISTORTION	(PIN CUS)	MM (NOI)				
A. MAIN UNITS	5 2	1	Ø	359	358	357
FWD UNIT .	001 .000	.000	.000	.000	.000	.001
AFT UNIT .	002 .001	.000	.000	.000	.001	.004
B. HORIZON CAMERA	AS (MM)	FWD		AF	[
		PORT	STAR	PORT	STAR	
(RADIAL) 10 DE	EGREES	.020	.010	.040	.010	
20 DI	EGREES	.070	.050	.080	.030	
(TANGENTIAL) MA	X VECTOR	.025	.020	.025	.030	
4. CAMERA ANGLES				DEG	, M	IN.
A. ANGLE BETWEEN	PAN CAMER	RAS		29	45	5.54
B. DEPRESSION AND	LE BETWEE	EN HORIZO	N FWD S	TAR 15	3	9
AND PAN CAMERA	AS		FWD P	ORT 16	Ø	1

1500

	-3 ₂			(£):
		AFT STAR	15	56
		AFT PORT	15	11
c.	ANGLE BETWEEN STELLAR AND INDEX	PART 1	9Ø	00.1
	CAMERAS	PART 2	89	59.7

- 5. TIMING MARKS

 FREQUENCY MARKS WILL APPEAR ON THE FILM AT A RATE OF 200

 CYCLES PER SECOND.
- 6. IMAGE MOTION COMPENSATION DATA (CYCLE RATE (CPS), GROUND ANGULAR VELOCITY (GAV), AND PASSES WHERE USED).

R	EF. LE	VEL	AMF	L. LEVE	PASSES		
NO.	CPS.	GAV.	NO.	CPS.	GAV.		
8	.3215	.0291	3	.1298	.0117	1D1 THRU 16D1	
7	.3377	.0305	3	.1298	.0117	20D1 THRU 79D1	

7. PROGRAM TIME DATA

C	AMERA	10 P	V TIM	1E	PROGRAM ON TIME	PROGRAM
	(ZI	JLU	TIME	E)	UP RAMP	DURATION
PASS	DAY	HR	MIN	SEC	SEC	SEC
1D 1	9	23	25	13	946	70
4D 1	10	Ø 4	Ø3	Ø8	1298	159
5D1	10	Ø5	27	30	925	166
5D2	10	Ø5	33	44	1299	135
5D3	10	Ø5	37	35	1530	52
6D 1	10	Ø6	57	56	912	62

	1				-4=	
6D2	10	Ø7	ø3	19	1235	139
6D3	10	Ø7	Ø7 .	38	1494	52
6D 4	10	Ø7	11 -	45	1741	155
7D1	10	Ø8 3	32	32	1148	321
8D 1	10	10	Ø1	23	1 Ø4 1	179
8D2	10	10	Ø6	8 9	1326	52
9AE	10	11	15	49	73	49
14 D 1	10	19	13	32	1546	48
14D2	10	19 2	27	43	2397	73
16D1	10	22	16	32	1650	38
20D1	11	Ø4	10	14	1064	214
20 D2	11	Ø4	15	7 6	1356	50
21D1	11	Ø5 4	46	18	1421	249
23D1	11	Ø8 4	41 2	20	1020	246
23 D2	11	Ø8 4	48 5	52	1472	110
24D1	11	10	14	17	1162	139
25D1	11	11 4	47	12	1301	177
3ØD 1	11	19 3	31 3	35	1983	55
3ØD2	11	19 3	36 2	27	2275	102
31D1	11	20 5	56	18	1630	62
33D1	11	23 4	47	10	1011	139
35 M 1	12	Ø2 4	45 2	27	837	170

36D1	12	Ø4 1	17 Ø9	9 Ø 3	234
36D2	12	Ø4 2	24 29	1342	50
36D3	12	Ø4 2	26 21	1455	64
37D1	12	Ø5 4	48 22	940	237
37D2	12	Ø6 (ØØ 51	1689	152
39D1	12	Ø8 :	50 57	1023	101
39D2	12	Ø8 :	56 55	1381	159
47D1	12	21	ø5 ø8	1597	48
49D1	12	23 5	58 50	1149	74
50D1	13	Ø1 a	28 27	1092	166
52D1	13	Ø4 2	27 37	976	158
52D2	13	Ø4 3	35 40	1460	143
53D1	13	Ø5 :	57 37	942	58
53D2	13	Ø5 S	59 31	1 Ø5 6	294
53D3	13	Ø6 :	11 41	1787	151
54D1	13	Ø7 3	35 40	1392	49
54D2	13	Ø7 3	38 43	15 <i>7</i> 5	200
55 D 1	13	Ø9 (ØØ 4 3	1060	192
56D1	13	10	47 22	2026	144
58D1	13	13	44 55	1813	182
61D1	13	18	19 57	2014	77
61D2	13	18 2	27 11	2447	67
63D1	13	21	15 11	1663	46

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66D1	14	Ø1	34	15	908	520
68D1	14	Ø4 ·	35	25	914	79
68D2	14	Ø 4	37	33	1043	148
68D3	14	Ø4	43	15	1384	129
69D1	14	Ø6	Ø7	Ø2	978	58
69 D2	14	Ø6	Ø8	56	1093	138
69D3	14	Ø6	21	Ø5	1822	152
78D 1	14	19	53	59	1714	62
79D1	14	21	23	Ø8	1632	38

NOTE: DATA IS THE SAME FOR BOTH THE MASTER (FWD) AND SLAVE (AFT) UNITS.

8. TIME CORRELATION (MILLISECONDS)

PASS	CLOCK TIME	SYSTEM TIME	DIFFERENCE
9	142812.315	40626.1454	
16	182449.026	80262.8407	.016
24	224359.051	35772.8496	.016
31	264034.498	75448.2818	.015
40	311388.404	36402.1707	.017
47	350997.983	76011.7358	.014
56	398389.821	37003.5578	.016
63	437985.832	76599.5559	.013
72	485316.777	37530.4861	.015
79	524962.958	77176.6551	.012

NOTE: ALL "DIFFERENCE" VALUES ARE PLUS.

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/END OF MESSAGE/